

PATENT ABSTRACTS OF JAPAN

(11)Publication number :

2002-194116

(43)Date of publication of application : 10.07.2002

(51)Int.Cl.

C08J 5/18
 B01D 71/56
 B01D 71/62
 C08G 73/06
 H01L 51/00
 // C08L 79:08

(21)Application number : 2000-395074

(71)Applicant : UNIV NIHON

(22)Date of filing : 26.12.2000

(72)Inventor : IZUMI TAKESHI

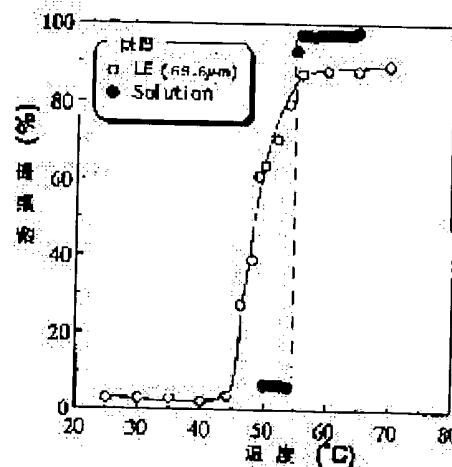
TAKAHASHI DAISUKE

(54) THERMAL RESPONDING POLYMER FILM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a thermal responding polymer film which has low toxicity and is capable of readily changing phase transition temperature.

SOLUTION: The thermal responding polymer film is produced by crosslinkage of a copolymer of polyethyl oxazoline and linear polyethylene imine, and the polyethyl oxazoline of 100-0 mol% and the linear polyethylene imine of 0-100 mol% are contained in a monomer composition. Thus, a variety of thermal responding polymer films having various phase transition temperatures and low toxicities such as long-term oral toxicity are readily obtained so as to be applied to a wide range of uses.



LEGAL STATUS

[Date of request for examination]

31.10.2002

[Date of sending the examiner's decision of